

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Agin Day
PO038893	ACI001-VC	-	1	Net 30	M006176R4.000	6061-T6 Round Bar 4.000"": MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- A-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				6	1/2/2018	6		\$037941	Stock	2/1/2018	\$ 42.41 / ft	
		3		40	M6061T6R1.000.*	Round Bar 1.00**: MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				20		20		S03794	Stock	2/1/2018	\$ 2.55 / ft	
		4				6061-T6 Round Bar 2.250** : MATERIAL: 6061- 16/1651/16510/16511/162 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft				6		6		5037943	Stock	2/1/2018	\$ 14 19/ft	
		5		**	M304R0.4375	304 Round Bar 0.4375 : MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft				12	1956	12		03794	Stock	2/1/2018	5 1.53 / ft	
		6		-[]	,	304 Round Bar 0.375: MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft				24		24	S	037946	Stock	2/1/2018	5 1:19 / ft	
		8				303 Round Bar 0.750 : MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582 NOTE:304/316 NOT ACCEPTABLE receive ft				96		96		037946			4 85 / ft	
		12			Astm	1010-1025 Steel Bar 1,000 X 3,000 : MATERIAL: AISI 1010- 1025 OR ASTM A36/A366/A569/A570 OR DR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W				12		12		037947	tock	2/1/2018	10.20 / ft	
		17			M1018R0.250	M1018R0.250 : MATERIAL: AISI 1018- 1025 ROUND BAR M1010S20GA AS PER MIL-S-7097 OR ASTM						12	38	037948	Stock	2/1/2018 S	0.16/ft	
		18		663	M1018R2.00 31	M1018R2.00 ; MATERIAL: AISI 1018-1025 ROUND BAR M1010S20GA AS PER MIL-S-7097 OR ASTM A108 receive ft				20		20	28	937949 S	Stock	2/1/2018 S	9.61/ft	
				1					Total:	208		208						

Plex 2/1/2018 11:51 AM Dart Dubois Pascal

DELIVERY - CLIENT

9	ز	
-	=	
H	u	
b	ū	
	7	
Ņ	ū	
3	5	
C	4	
1	7	
4	1	
h		

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242 935, Boul. du Hâvre Salaberry de Valleyfield (Québec) 16S 5L1

Shipped to

, Ontario,

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

DART AEROSPACE LTD

Billed to

2018/01/30 CLI0001056 2018/01/29 Delivery date Customer N° Date

Your order N° Processed by

PO038893

Stephanie Dignard

OUELLETTE VALLEYFIELD

Net 30 Days

Salesman

Carrier

Credit Terme

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Page

PCS NB

EXP CMD

PI_\$CLB

6.00

88.58

Qty

Weight

Product Description

F-M

Instruction

ROUND ALU 4 6061-T6 RANDOM

RAL-4-V

Delivery Route

OUT

Internal Use Only

S

Z

B/0 e-7

Q

3

PI_\$CLB

20.00

18.50

ROUND ALU 1 6061-T6 RANDOM

7

COUPE A LA SCIE

SCIE

1 X 6'

5141

RAL-1-V

1 X 20'

S

1.00

9

PI_\$CLB

6.00

28.02

ROUND ALU 2 1/4 6061-T6 RANDOM

3

RAL-214-V

1 X 6'

20

NIR: R-109516-6

10

Next Page...

Next Page...

9	7.
H	0
L	
F	7/
	5
2	
2	5
C	Ś
C	5
-	

DELIVERY - CLIENT ACIER OUELLETTE INC.

935, Boul. du Hâvre Salaberry de Valleyfield (Québec) 36S 5L1 Tél.: 450-377-4248 Mt: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Shipped to

, Ontario,

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

DART AEROSPACE LTD

Billed to

2018/01/30 CLI0001056 2018/01/29 Delivery date **Customer Nº** Date

Your order N°

Stephanie Dignard PO038893 Processed by

OUELLETTE VALLEYFIELD

Net 30 Days

Salesman

Carrier

Att: CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route

Credit Terme

		8
		S
		7
Ų		
0	•	

OUT

O S

H

Z

Internal Use Only

		-
	- 1	100
	- 1	-
	- 1	-
	- 1	
	- 1	
	- 1	10
	- 1	
	- 1	
	- 1	_
	- 1	-
	- 1	-
	- 1	_
	- 1	
	- 1	
4.9	- 1	
	- 1	
-	- 1	
~,	- 1	
**	- 1	
v	- 1	
	- 1	
	- 1	
	- 1	
	- 1	
	- 1	
	- 1	
	- 1	
	- 1	

	1	
	ı	
	1	
	10	2
		Z
	16	n
	1	ر
	16	7
	ı	
-	ı	
3	L	
	ı	
	ı	

B/0	
ЕХР	2
CMD	

3

1.00

Qty

Weight

Product Description

COUPE A LA SCIE

SCIE

F-M

Instruction

PI_\$CLB

12.00

6.13

4 ROUND SS 7/16 304 RANDOM

RSS-716-V

124 3

9.05

ROUND SS 3/8 304 RANDOM

Ŋ

RSS-38-V

1 X 12' R/L

PI_\$CLB 24.00

MA

7

2,21

24.00

8519

RSS-1303-V

2 X 12' R/L

ROUND SS 1 303 RANDOM

9

2 X 12' R/L

64.08

PI_\$CLB

NIR: R-109516-6

DELIVERY - CLIENT

ACIER OUELLETTE INC.

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242 935, Boul. du Hâvre Salaberry de Valleyfield (Québec) J6S 5L1

Shipped to

, Ontario,

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

DART AEROSPACE LTD

Billed to

2018/01/30 CLI0001056 2018/01/29 **Delivery date Customer N°** Date

Your order N° Processed by

PO038893

Stephanie Dignard

OUELLETTE VALLEYFIELD

Carrier

Salesman

Net 30 Days

Credit Terme

Att: CHANTAL LAVOIE Tél.: 613-632-5200

Page

PCS NB

B/0 EXP CMD

M/n

Qty

Weight

Product Description

F.

Instruction

ROUND SS 3/4 303 RANDOM

RSS-34303-V

Delivery Route

PI_\$CLB

96.00

144.19

OUT

O S

Z

Internal Use Only

5730 2×13'11 かと 15,4

PI_\$CLB

12.00

122,40

FLAT CR 1 X 3 1018 RANDOM

œ

FCR-13-V

8 X 12' R/L

7

PI_\$CLB

12.00

2.00

ROUND CR 1/4 1018 RANDOM

9

RCR-14-V

1 X 12' R/L

213.60

5319

RCR-2-V

1 X 20' R/L

10 ROUND CR 2 1018 RANDOM

1 X 12' R/L

20.00

PI_\$CLB

12,71

火

X

200

NIR: R-109516-6

Next Page...

DELIVERY - CLIENT

Customer N°

Date

ACIER OUELLETTE INC.

935, Boul. du Hâvre Salaberry de Valleyfield (Québec) 16S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Shipped to

, Ontario,

HAWKESBURY, Ontario, K6A 1K7

DART AEROSPACE LTD 1270, ABERDEEN ST.

Billed to

CLI0001056 2018/01/29

2018/01/30

PO038893

Your order N° **Delivery date**

Processed by

Salesman Carrier

Stephanie Dignard

OUELLETTE VALLEYFIELD

Net 30 Days

	Page
0000 000 000	2
	Delivery Route
	F-M
	Instruction

Tel.: 613-632-5200	
	Ŋ
Att: CHANTAL LAVOI	Delivery Route
	F-M

	ŀ
	ı
	ı
	I
	l
	١
	ı
	l
9	ı
D	l
•	ı
	l
	ŀ

	м	
	ч	ı
	מטבנ	ı
	-	į
	п	i
14	-	
- 1	4	

	u	
ì		

41)	
č	
E	
0	
-	
-	
=	
0	
-	
O	- 1

-		
-		
LØ.		

•	4	-
	_	
-	מ	in in

46.0	
w	
-	
age	
=	
100	
-	
0	

	ı	
	ı	
	ŀ	
	ı	
	1	
	ı	
	ı	
	ı	
	ı	
	١	1
	ŀ	ā
	ı	đ
	ı	
	ı	q
	ı	ĺ
	ı	1
	ı	Į
	ı	
	ı	
	ł	
	ı	
	ı	
	п	
	ı	
	l	
	l	

			ı	
		ı	L	
		ı	Г	
		ı	ı	
			ı	
		ı	ľ	ď
		ı	1	2
		1		ø
		1	ľ	d
		1	P	ā
		1	1	
1		J		
'n	1	1		
3		1		
		1		
		ı		
		1		
		1		

-	H
IB	0/0
PCS N	CVD
	CIME

_
8/0
EXP
CMD

M/n

Qty

Weight

18	8/0	17
PCS	EXP	
	CMD	

DOUT

S

Н

Z

Internal Use Only

-	B/0	(A)
-	EXP	
	O	

PI2_\$CLB

32.00

56.38

ALU SHEET 1/8 2024-T3 RANDOM NS

11

FEAL-182024-V

1 X 4' X 8'

Product Description

0)		
12	_		
_			_
			_

Total Weight (Lbs): 752.90

NIR: R-109516-6

respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in 3 25% restocking charge.

Time

Delivered Byn

Verified By:

Prepared By:

Conditions:

Customer's Signature

Total (\$CAD)

AUICHT)	ACTER OVELLETTE INC.	ü	o d	Order - Sales	ales			Copy		CO000071759
OUELLETTE	Salaberry de Valleyfield (Québec) 165 5L1	ec) 165 51.1		Custo	Customer Nº		CLI0001056	1056		
	Tél.: 450-377-4248 MB: 514-336-4248 Ext.: 800-667-4248 Fax; 450-377-5696 MB: 514-336-4246 Ext.: 866-456-4242	36-4248 Ext. 36-4246 Ext.	: 800-667-4248 : 866-456-4242	Date			2018/01/29	62/10		
				Delive	Delivery date		2018	2018/01/30		
				Your	Your order Nº		PO038893	693		
	Shipped to			Proce	Processed by		Stepha	Stephanie Dignard	70	
DAKI ARKOSPACE LID				Salesman	nsn					
1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7	, Ontario,			Carrier			OUELL	OUELLETTE VALLEYFIELD	EYFIELD	
	AIT: CHANTAL LAVOIE Tél.: 613-632-5200	l.: 613-632-	2200	Credit	Credit Terme		Net 30 Days	Days		
	Delivery Route 5			Page			FI			
December 1 December 1	***************************************	1	******		PCS NB			Internal Use Only	Use On	A
Product Description	Weignt	ממ	2/0	CMD	EXP	0/9	N	1 S	Ų	TUO
1 ROUND ALU 4 6061-T6 RANDOM	88.58	6.00	PI_\$CLB	1.00						
RAL-4-V 5163										
1 X 6' HEAT, SXA171313	···								- 5-	
COUPE A LA SCIE		1.00	S							
Z ROUND ALU 1 6061-T6 RANDOM	18.50	20.00	PI_\$CL8	1.00					•	
RAL-1-V 5141										
1 X 20' HEAT, SXB150069								,		
3 ROUND ALU 2 1/4 6061-T6 RANDOM	28.02	6.00	PL.\$CL8	1.00						
RAL-214-V 5145					_					
1 X 6' HEAT (68.75.7										
COUPE A LA SCIE		1.00	N							
_	-		_	_	_	_		_	_	

NIR: R-109516-6

NIR: R-109516-6

Billed to									1			
	Shipped to				-	1	. :	Charles		1000		
DART AEROSPACE LTD					o die	Caladara		200	Seption Digital	o in life		
100000000000000000000000000000000000000					0000	Silidil						
1270, ABENDEEN ST. HAVYESBURY, Onlario, K6A 1K7	, Ontario,				Carrier	ier		OUEL	OUELLETTE VALLEYFIELD	VALLE	YFIELD	
	ARE: CHANTAL D	LAVOIE Tél.: 613-632-5200	613-632-	200	Cred	Credit Terme	gu	Net 3	Net 30 Days			
	Delivery Route	ιή			Page	đι		2				
	- 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1					PCS NB	18		Inte	Internal Use Only	se Onl	-
Product Description	weignt		לנא	m/0	CMD	EXP	0/8	IN	-	40	U	OUT
4 ROUND SS 7/16 304 RANDOM	9	6.13	12.00	PI. \$CL8	1.00				_			
R55-716-V 5779 1 X 12' R/L HEAT (102495)												
5 ROUND SS 3/8 304 RANDOM RSS-38-V 5768	oi	9.02	24.00	PI_\$CLB	2.00							
6 ROUND SS 1 303 RANDOSA RSS-1303-V 8519	64.08	80	24.00	PL_\$CLB	2.00		•					
7 X 12' R/L HEAT: 232X 7 ROUND SS 3/4 303 RANDOM RSS-34303-V 5761	144.15	19	96.00	PI_\$CLB	8.00							
BX 12' RIL HEAT: CH-6094												

C000071759

Copy

Order - Sales

CLT0001056 2018/01/29

Customer N°

935, Boul, du Hävre Salaberry de Valleyfield (Québec) 165 St.1 Tél.: 450-377-4248 MB: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 MB: 514-336-4246 Ext.: 866-456-4242

ACIER OUELLETTE INC.

Date

11011-14	ACIER OUELLETTE INC.	Orde	Order - Sales	ales)	Copy		CO00071759
UNELLEY/15-	Salaberry de Valleyfield (Québec) J6S 5L1		Custor	Customer N°	CL10001056	356		
	Fax: 450-377-5696 MU: 514-336-4246 EXT.: 800-667-4248	xt.: 800-667-4248 xt.: 866-456-4242	Date		2018/01/29	53		
			Delive	Delivery date	2018/01/30	01/30		
			Your	Your order N°	PO038893	100		
Billed to	Shipped to		Proces	Processed by	Stephani	Stephanie Dignard		
			Satesman	ner				
1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7	, Ontario,		Carrier		BITTO	OUELLETTE VALLEYFIELD	EYFIELD	
	Att : CHANTAL LAVOIE Tél.: 613-632-5200	2-5200	Credit	Credit Terme	Net 30 Days	ske		
	Delivery Route 5		Page		m			
Product Description	Walnut	Mari		PCS NB	T.	Internal Use Only	Jse Onl	
	by with	M/n	CMD	EXP 8/0	IN	1 5	U	TUO
X 3 1018 RAN	122.40 12.00	PI_\$CLB	1.00				_	
FCR-13-V 2727								
9 ROUND CR 1/4 1918 RANDOM	2.00 12.90	PL \$CLB	1.00					
RCR-14-V 5277								
			-	_				
10 RDUND CR 2 1018 RANDOM RCR-2-V 5319	213.60 20.00	Pr_\$CLB	8.1					
1 X 20' RIL HEAT, 41607 AG								
11 AUGHEET 1/8 2024-T3 RANDOM NS	32.00	P12, SCLB	1.00					
1 X 4' X 8' HEAT.			1	1			1	ī
	_	_	-		_	_	_	

NIR: R-109516-6

CO00071759 500 2 228,76 2 228.76 Internal Use Only **OUELLETTE VALLEYFIELD** Ų Copy Stephanie Dignard 40 2018/01/30 Net 30 Days CLI0001056 2018/01/29 Вајалсе Total (\$CAD) Deposit PO038893 Z 0/8 Order - Sales Your order Nº PCS NB Delivery date Processed by Customer N° Credit Terme Conditions:
At solve of defined sensin the property of "Acer Dale little Inc." until perment is made in full, complete and castled. All lost materials are at the duplets of "acrospis to respect the "Acer Our letter Inc." is the class. The burger treety accepts to new analysis was accepts to new and accepts to any advantable of the perment (24% per mont) (24% per mont) and permits to the security one 31 days. Any default in respect, with this contact will lost to payment by accepts to pay advantable of the perment) (24% per mont) and permits to the series, at his drown of the perment of the goods soil. All darms must be made with in this document enclosed. Any membranes that has been able to the closed. Any membranes that has been able to the closed. Any membranes are that has been able the contact and permit to the series, at no mode and contact and set subject to NIR: R-109516-6 EXP Salesman Carrier Σ Page Date CMD 0.00 Salaberry de Valleyfield (Québec) 165 5L1 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl; 514-336-4246 Ext.: 866-456-4242 E A Att : CHANTAL LAVOIE Tél .: 613-632-5200 Customer's Signature Total Weight (LBS) : 1 752.90 440 ACIER OUELLETTE INC. 935, Boul. du Hâvre Weight Delivery Route Shipped to Ontario, Time Delivered By : FRAIS ENERGETIQUE Product Description HANYKESBURY, Ontario, K6A 1K7 SURCHARGE ENERGETIQUE Verified By: DART AEROSPACE LTD 1270, ABERDEEN ST. Prepared By: Billed to



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO038893

Tel (613) 632-5200

Supplier:

ACI001-VC

Acier Ouellette Inc. 935 Boul. Du Havre

Valleyfield

QC

J6S 5L1 Canada Phone: 800 667 4248

Fax: 450 377 5696

PO No:

PO038893

PO Date:

1/29/18

Due Date:

1/31/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

JAN 2 9 2018

Via:

Pymt Terms:

Ground Net 30

Freight Terms:

Special Comments:

Ship To:

1270 Aberdeen Street

Hawkesbury ON

K6A 1K7 Canada Phone: 613-632-5200

Items

-				items						
Line Item	1	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity		Unit Price (CAD)	Extended Price
1	M6061T6R1.625	1	6061T6 Round Bar 1.625 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft		1/31/18	12 ft	O ft	12 ft	\$6.7225/ft	\$80.67
2	M6061T6R4.000		6061-T6 Round Bar 4.000" : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ- AA-200/8 OR AMS-QQ-A- 200/8 OR AMS 4160 OR ASTM B221 OR ASTM B221 receive ft	Firmed	1/31/18	6 ft	G On	FEB	\$42.405/R 0 1 2010 DAS 11 9-89	\$254.43

1 2				Items	T -					
Line Item	Part	Supplier Part No	Description	Statu	Due Date	Order Quantity	Received Quantity		Unit Price (CAD)	Extende Price
3	M6061T6R1.000		Round Bar 1.00" : MATERIAL: 6061- T6/T651/T6510/T6511/T6: ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS-QQ-A-200/8 OR ASTM B221 OR ASTM B221 receive ft	2	1/31/18	20 ft	20 ft		\$2.5525/6	\$51.0
4	M6061T6R2.250		6061-T6 Round Bar 2.250" MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B221 OR ASTM 3221 eceive ft	e e e e e e e	1/31/18	6 ft	0 ft	6 ft	\$14.18666/R	\$85.12
5 N	//304R0.4375	: .s .a	MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 03 NOT ACCEPTABLE eceive ft	Firmed	1/31/18	12 ft	12	12 ft	\$1.5325/π	\$18.39
6 N	1304R0.375		04 Round Bar 0.375 MATERIAL: AISI 304/316 S ROUND BAR AS PER STM A276 NOTE: AISI 03 NOT ACCEPTABLE eccive ft	Firmed	1/31/18	24 ft	0 ft :	24 ft	\$1.188/ft	\$28.51
7 M	303R1.000	: I R A N A	03 Round Bar 1.00 MATERIAL: AISI 303 SS OUND BAR AS PER STM A582 OTE:304/316 NOT CCEPTABLE	Firmed	1/31/18	24 ft	0 ft :	24 ft \$	3.0620833/ft	\$193.49
M	303R0.750	: I R: A: N: A:	03 Round Bar 0.750 MATERIAL: AISI 303 SS OUND BAR AS PER STM A582 OTE:304/316 NOT CCEPTABLE ceive ft	Firmed	1/31/18	96 ft	16 O A	96 ft \$4	1.8507291/ft	\$465.67
, M	T-4140QT-R1.375	: M QI TE AS	T-4140 QT-R1.375 I MAT'L: AISI 4130 UENCHED & EMPERED ROUND BAR S PER STM 4140 QT OR ASTM 42 QT	Firmed '	1/31/18	20 ft	0 ft _.	20 ft	\$9.3885/ft	\$187.77
								3 0 1 20	DA:	

Plex 1/29/18 12:46 PM dart.lavoie.chantal

Line		Supplier			Due	Order	Received		Unit	Extende
Item		Part No	Description	Statu		Quantity	Quantity	Balance		
10	MT-4140QT-R2.250		AISI 4140 Q&T Round B : MAT'L: AISI 4130 QUENCHED & TEMPERED ROUND BA AS PER ASTM 4140 QT OR ASTI 4142 QT	R	1/31/18	20 ft	O ft	20 ft	\$21.7605/f	\$435.2
11	MT-A513-T- 4.000W0.120		A513 Seamless Alloy Steel Round Tubing 4"dia x 0.120" Wall	Firmed	1/31/18	20 ft	O ft	20 ft	\$19.35/ft	\$387.0
12	M1018B1.000X03.000		1010-1025 Steel Bar 1.000 X 3.000 MATERIAL: AISI 1010- 1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 88W/44W/50W/60W/70W CSA G40-21 OR 18W/44W/50W/60W/70W	Firmed	1/31/18	12 ft	12	12 ft	\$10.195/ft	\$122.34
13	M303B1.000X1.000	: B N A	M303B1.000 X 1.000 MATERIAL: AISI 303 SS AR AS PER ASTM A582 IOTE: AISI 304/316 NOT CCEPTABLE eceive ft	Firmed	2/7/18	12 ft	Off	12 ft	\$9.52/ft	\$114.24
14 1	M303B1.000X03.000	B N A	03 Bar 1" X 3' MATERIAL: AISI 303 SS AR AS PER ASTM A582 OTE: AISI 304/316 NOT CCEPTABLE aceive ft	Firmed	2/13/18	12 ft	Oft	12 ft	\$75.33/ft	\$903.96
5 N	/304B0.750X2.500	: I S S A A N	D4 Bar .750 X 2.50 MATERIAL: AISI 304/316 S BAR OR AISI 304/316 S PLATE AS PER ASTM 276 OR ASTM A240 OTE: AISI 303 NOT CCEPTABLE ceive ft	Firmed	2/1/18	12 ft	Oft	12 ft \$	24.221666/ft	\$290.66
6 M	1304B0.500X2.500	SS A2	A Bar .500 X 2.50 MATERIAL: AISI 304/316 S BAR OR AISI 304/316 S PLATE AS PER ASTM 276 OR ASTM A240 DTE: AISI 303 NOT CCEPTABLE ceive ft	Firmed	/31/18	12 ft	Oft:	12 ft \$	13.468333/ft	\$161.62
7 M	1018R0.250	: M 10. M1	IATERIAL: AISI 1018- 25 ROUND BAR 1010S20GA AS PER L-S-7097 OR ASTM	Firmed 1	/31/18	12 ft	0 ft	12 ft	\$0.16/ft	\$1.92
M	1018R2.00	: M 102 M1	ATERIAL: AISI 1018- 25 ROUND BAR 010S20GA AS PER S-7097 OR ASTM	Firmed 1	; /31/18	20 ft) O ft	20 ft	\$9.6065/ft	\$192.13
ŧ			eive ft		1			FEB 0	2018	11 9-89

Plex 1/29/18 12:46 PM dart.lavoie.chantal

				Items						
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity		Unit Price (CAD)	Extended
19	M2024T3S.125		2024-T3 .125 Sheet : MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM 5209 eceive sf	Firmed	1/31/18	32 sf			\$17.35469/sf	\$555.35
20	M5052H32S.032	A P A A B	MATERIAL: 5052-H32 MATERIAL: 5052-H32 MLUMINUM SHEET AS PER QQ-A-250/8 OR MS-QQ-A-250/8 OR MS 4016 OR ASTM 209	Firmed	1/31/18	64 sf	0 sf	64 sf	\$2.59375/sf	\$166.00

Order Notes

Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 1/29/18 12:46 PM dart.lavoie.chantal



ACIER OUELLETTE INC.

935, Boul. du Hâvre

Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0081335

Billed to Cust

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

606176B 2.5 x 4.5

Att: CHANTAL LAVOIE Tél.: 613-632-5200

Customer N°

CLI0001056

Date

2018/01/19

Revision No

0

Prices valid until

2018/01/26

Your Order No

Processed by

Josianne Bourdon

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

1

Product N° and description	304-1-1-1	01		T	
ROUND ALU 1 5/8 6061-T6 RANDOM	Weight	Qty U/M	Qty U/M Price	Pcs Nb Price	Amou
RAL-158-V 5138 1,X 12' STOCK	29.23	12.00 PI_\$CLB	12.00 PI	1.00 80.670	80.67
ROUND ALU 4 6061-T6 RANDOM RAL-4-V 5163 1 X 6' STOCK	88.58	6.00 PI_\$CLB	6.00 PI	1.00 254.430	254,43
COUPE A LA SCIE SCIE 1		1.00 UN	1.00		
ROLIND ALU 1 6061-T6 RANDOM RAL-1-V 5141 1'X 20' STOCK	18.50	20.00 PI_\$CLB	20.00 PI	1.00 51.050	51.05
ROUND ALU 2 1/4 6061-T6 RANDOM RAL-214-V 5145 1 X 6' STOCK	28.02	6.00 PI_\$CLB	6.00 PI	1.00 85.120	85.12
COUPE A LA SCIE SCIE 1		1.00 UN	1.00		
ROUND SS 7/16 304 RANDOM RSS-716-V 5779 1 X 12' R/L STOCK	6.13	12.00 PI_\$CLB	12.00 PI	1.00 18.390	18.39
ROUND SS 3/8 304 RANDOM RSS-38-V 5768 2 X 12' R/L STOCK	9.02	24.00 PI_\$CLB	24.00 PI	2.00 14.255	28.51
ROUND SS 1 303 RANDOM RSS-1303-V 8519 2 X 12' R/L STOCK	64.08	24.00 PI_\$CLB	24.0WN_\$UN	2.00 96.745	193.49
ROUND SS 3/4 303 RANDOM RSS-34303-V 5761 8 X 12' R/L 2-3 DAYS	144.19	96.00 PI_\$CLB	96.00 PI	8.00 58.208	465.67



ACIER OUELLETTE INC.

935, Boul. du Hâvre

Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0081335

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Customer No

CLI0001056

Date

2018/01/19

Revision No

0

Prices valid until

2018/01/26

Your Order No

Processed by

Josianne Bourdon

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

2

			Page			-			
Product N° and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amoun
ROUND 4140 HT 1 3/8 NS R4140-138H 9252 1 X 20' R/L 2-3 DAYS	100.98	20.00	PI_\$CLB	20.00	JN_\$UN		1.00	187.770	187.77
ROUND 4140 HEAT TREAT 2 1/4 RANDOM R4140-214H-V 4927 1 X 20' R/L 2-3 DAYS	270.40	20.00	PI_\$CLB	20.00	PI		1.00	435.210	435.21
TUBE MECH. A513 4" QD X .120 N 1 X 20' R/L 2-3 DAYS	0.00	1.00	UN	1.00	UN		1.00	387.000	387.00
FLAT CR 1 X 3 1018 RANDOM FCR-13-V 2727 1 X 12' R/L STOCK	122.40	12.00	PI_\$CLB	12.00	PI		1.00	122.340	122.34
SQUARE \$\$ 1 \$\$303 NS CSS-1303 9512 1 X 12' R/L 1 WEEK	40.80	12.00	PI_\$CLB	12.00	N_\$UN		1.00	114.240	114.24
PLAT SS303 1 X 3 N 1 X 12' R/L 7-10 DAYS	0.00	1.00	UN	1.00	UN		1.00	904.000	904.00
FLAT SS 3/4 X 2 1/2 SS304 RANDOM NS FSS-34212-V 8747 1 X 12' R/L 2-3 DAYS	76.50	12.00	PI_\$CLB	12.00/	N_\$UN		1.00	290.660	290.66
FLAT SS 1/2 X 2 1/2 55304 RANDOM NS FSS-12212-V 8302 1 X 12' R/L	51.48	12.00	PI_\$CLB	12.00	PI		1.00	161.620	161.62
ROUND CR 1/4 1018 RANDOM RCR-14-V 5277 1 X 12' R/L STOCK	2.00	12.00	PI_\$CLB	12.00	PI		1.00	1.920	1.92
ROUND CR 2 1018 RANDOM RCR-2-V 5319 1 X 20' R/L STOCK	213.60	20.00	PI_\$CL8	20.00	PI		1.00	192.130	192.13



ACIER OUELLETTE INC.

935, Boul. du Hâvre

Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Quotation

SOU0081335

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att: CHANTAL LAVOIE Tél.: 613-632-5200

Customer Nº

CL10001056

Date

2018/01/19

Revision N°

0

Prices valid until

2018/01/26

Your Order No

Processed by

Josianne Bourdon

Salesman

JOSIANNE

Carrier

OUELLE SDV

Credit Terms

Net 30 Days

Page

3

		raye			
Product N° and description	Weight	Qty U/M	Qty U/M Price	Pcs Nb Price	Amour
ROUND 4140 HT 1 3/8 MS R4140-138H 9252 1 X 20' R/L 2-3 DAYS	100.98	20.00 PI_\$CLB	20.00JN_\$UN	1.00 187.770	187.77
ALU PLATE 1/4 6061-T651 RANDOM PAL-146061-V 4245 1 X 6 1/4" X 96" STOCK SHEAR CUT SHEAR 2	18.30	5.00 PI2_\$CLB	5.00 PI2 1.00	1.00 85.870	85.87
ALU SHEET 1/8 2024-T3 RANDOM NS FEAL-182024-V 8603 1 X 4' X 8' STOCK	56.38	32.00 PI2_\$CLB	32.00 PI2	1.00 555.350	555.35
ALU SHEET .032 (20G) 5052-H32 NS FEAL-032 9714 2 X 4' X 8' 2-3 DAYS	28.86	64.00 PI2_\$CLB	64.0QJN_\$UN	2.00 83.000	166.00
SURCHARGE ENERGETIQUE FRAIS_ENERGETIQUE		\$			3.95

Total Weight (Lbs)

1 470.43

Important

This offer is based on availability and current pricing conditions that may be revised upon reception of the order.

TVH-13 · · 646.51

This offer is subject and conditional to credit approval.

Approuved and Accepted by :

Date

Total (\$CAD)

Sub-total

5 619.67

4 973.16

Chantal Lavoie

From:

Chantal Lavoie

Sent:

Friday, January 19, 2018 11:35 AM

To:

'Josianne Bourdon'

Cc:

Diane Baker

Subject:

quote

Good morning Josianne,

Please advise price an delivery on mat'l.

6061t6 round bar 1.625" x 12 ft

6061-t6 round bar 4" x 6 ft

6061-t6 round bar 1" x 12 ft

6061-t6 round bar 2.250" x 6 ft

304 round bar 0.4375 x 12 ft

304 round bar 0.375" x 24 ft

303 round bar 1" x 24 ft

303 round bar 0.750" x 96 ft

4140 qt-1.375" x 12 ft

4140 qt 2.250" x 12 ft .

A513 round bar 4" x 0.120wall x 12 ft

1018 bar 1" x 3" x 12 ft

303 bar 1" x 1" x 12 ft

303 bar 1" x 3" x 12 ft

304 bar 0.750" x 2.5" x 12 ft

' 304 bar 0.500" x 2.50" x 12 ft

1018 round bar 0.250" x 12 ft

1018 round bar 2.00" 20 ft

4140h round bar 1.375" x 12 ft

6061-t6 bar or plate 0.250" x 6.250" x 8 ft

2024t3 sheet.125" x 32 sf

5052h32 sheet .032" x 64 sf

Thanks

Chantal Lavoie

Purchasing Coordinator

RAL-4-V

7RA 1915-



Chobal Victoria GLOBAL VIETNAM ALUMINIUM COMPANY LIMITED

Address: MY XUAN B!-CONAC INDUSTRIAL ZONE, MY XUAN TOWN, TAN THANH DISTRICT.

BA RIA VUNG TAU PROVINCE, VIETNAM

Tel: +84(0)643924954 Fax: +84(0)643924953

MILL TEST CERTIFICATE

Dute: 8 August, 2017

Applicant/Consignee: SINOMETAL RESOURCES INC.

4455 RUE COUSENS SAINT-LAURENT, QC, H4S 1XS, CANADA

PO aumber: 17-P-292 Shipping Ref No.: 17-: 489 LC No.: DC HMN713076 Date of issue: 28 July, 2017 Item Code: 1075503 Die Number: D00529

Alley & Temper: 6061-76511

Production Description: CUSTOM ALUMINIUM EXTRUSION (Round Bar)

Round Ber 4"x 12' 6061-T6511

Length (inch): 144

Byrdle number: 17-P-292-055, 17-P-292-057, 17-P-292-058, 17-P-292-056

Hent Number: SXA171313

Date: 26/07/2017

Applicable Specifications: ASTM B221 SPANDARDS

CHEMICAL ANALYSIS: %

St	Mg	Fe	^u	Min	~	9'4	Ti	A	0	ther	Remark:
31	wi	3.4	CI	749.00	u	2.43	41	70	RACH	TOTAL	POSIGIAL N.
0.658	0.989	0.240	0.264	0.017	0.086	0.012	0.021	98.622	<0.05	<0.10	23/7/2017

MECHANICAL ANALYSIS:

UIL Strength (ksi)	Yield Strength (ksi)	Elongation % LN 2"	Remarks
41.2	38,4	12.9	23/7/2017

All profiles, showing material shipped match aluminium alloy as per standard, with chemical analysis to match aluminium alloy standard.

We hereby certify that the item listed have been checked and tested in accordance with the specifications noted and have been found to meet all the applicable requirements. Certifications are kept on file for 36 menths from the date of purchase and are available for review upon request, referring to ASTM and the PO number.

Quality Manager

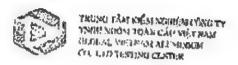


TRUNG TÂM KIỂM NGHIỆM CÔNG TY THAH NHÔM TOÀN CÂU VIỆT NAM GLOBAL VIETNAM ALUMINIUM CO., LTO TESTING CONTER 5141

KAL-IV

TRA 1993 49573





MESSICE GLOBAL VIETNAM ALUMINIUM CO., LID

Address: My Xian B1-Conec industrial zone, My Xian town, Tan Theali district.

Ba Ria-Vung Tau province, Vict Nam

Tel: Fax:

-54(Q)6439249S4 +54409643924953

MILL TEST CERTIFICATE

Date: June 16th 2015

Consignor: SINOMETAL RESOURCES INC.

9470 HENRI-BOURASSA QUEST STILAURENT, QU'HAS INE. CANADA

PO number: 15-P-041 Shipping (ka) New: 15-0223 LC No.: DC HMN,330604 Date of Issue: 22 June, 2015

Rem Code: 10-13003 Die Number: i000004

Alloy & Temper: 5061-76

Production Description: Round Bar 1" X 20"

Length (inch): 240 Quantity (pieres): \$3

Bundle animber: 15-P-041-007

Lut Number: 18 : 50362C

Date: 15-04-3315

Applicable Specifications: ASTM B221 STANDARDS

CHRMICAL ANALYSIS: *

					4/						
Si	Fe	Cu	Ma	Me	Cr.	Zh	71	0	ther	AT	Daniel
								EACH	TOTAL	741	Remarks
0.54	u11,0 &	0.204	0.000	0.889	0,105	0.001	9.007	<0.05	<0,15	98.152	11/04/2015
	MECHAN	CALAN	VLYSIS:			-				-	

Ult, Sterngth (ksi)	Yiold Strength (ksi)	Eiongation % LN 2"	Romarka
48.1	45.5	13.2	11/04/2015

All profiles, each profile with each MTC, showing material allipped match aluminium alloy as per standard, with chemical analysis and mechanical analysis to match atuminium alloy standard,

We hareby certify that the Item listed have been checked and tested in accordance with the specifications noted and have been found to meet all the applicable requirements. Certifications are kept on file for 36 mentles from the date of purchase and are available for review upon request, referring to ASTM and the PO nuusber.

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer:

LES ACIERS TRANSBEC (1997) LTEE.

Adresse / Address :

4054 BOUL LE CORBUSIER # 207

LAVAL QC H71.5R2

commande Sapa / Sapa order # : 7010442

bon de commande / Purchase order #: QU-47042

de matrice / Die # :

MS 16001

Description:

Alliage & trempage / Alloy & temper: 6061 16

Longueur / Lenght: 6097 mm

Contrôle / Control #: 83103-1

Rockwell E hardness: 96 HRE

Coulée / Cast # . 48252

Dureté Rockwell E /

Min. requis /

Min, required: 88 HRE

Max permis /

Max. permitted: 100 HRE

Composition chimique typique / Typical chemical composition :

	3	fe	Cu	Mn	Mig	Cr	Zn	Ti.
6063	0.20 - 0.60	0,35 Max	0.10 Max	0.10 Mcx	0,45 - 0,90	0,10 Mgx	0.10 Max	0.10 Max
2009	0.60 - 0.90	0.35 Max	0,10 Max	0.10 Mcx	0.40-0.60	0.10 Max	0.10 Mgx	0,10 Max
6005A	0.66-0.74	0,14 - 0,28	0.08-0.16	0.18-0,26	0.46-0.54	0,03 Mox	0.05 Max	0.05 Max
4041	0.40 - 0.80	0,70 Max	0.15 - 0.40	0.15 Max	0.80-1.20	0.04 - 0.35	0,25 Max	0,15 Max
4353	0.7 - 1.3	0.5 Max	0.10 Mos	0.40 - 0.80	0.40-0.80		0.20 Max	0,20 Max

Nous certifions que le matériel tourni rencontre les exigences chimiques telles qu'annoncées par la norme ASTM B-221-14 excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied meets the chemical properties as published by the ASTM 8-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre.

date: 2017-02-08

Yours truly,

Gilles Pelletier

Technicien de la qualité

Quality technician

VIRAJ PROFILES LIMITED



Works: SURVEY NO.- 25/1, 25/2, 26 & 34, Village- MAAN, Taluka- PALGHAR, Dist-THANE, MAHARASHTRA -401 506, INDIA, e-mail- viclqc@virsj.com

MILL'S CERTIFICATE

ORDER NO

PACKING LIST NO INSPECTION NO

DATE

04885

64/1008331/5

100006886214

0.08500

07.07.2016

GRADE

304/304L

HEAT No 102445 -

BUNDLE NO: 1100534981,1100534980,

DESCRIPTION

STABILESS STEEL BRIGHT BARS

COLD DRAWN POLISHED - 2H

0.420

SIZE	nl	SHA	E	101	PERMOD	L	NGTH		PHYCE	S	/	WEIGHT
7/16")	ROUN	TD CT	AST	M A484	12'	- 14'		328			2,020,000 LB
					CH	EMICA	L ANAL	YSIS				
%C	%Mn	%SI	% S	%P	%Cr	%NI	%Cu	%Mo	%Co	%N2		

		_
THEFT	BECTI	r mhe

0.700

0.340 0.150

8.060

18,400

0.0220 0.0340

0.2% yield strength kei	Tensile Strength ksi	Elongation %	Reduction Of Area %	Hardness BHN	Grain Size NOS	
94.0	108.0	42.0	70.0	220.0	7.0	

STATISTICS STATES

0.0270 1.380

MATERIAL CONFIRMS TO DIN EN 10088-3-2005:WNR 1.4301/1.A307,EN 10222-5 AND EN 10272 COND-A & ASTM A182/A-182M-16, ASTM A276/A276M-16 COND A, A479/A479M-15 COND A, A493/A499M-12b B8 CL-1, A320/A320M-11a BCL-1, A484 16, A388/A388M-05-ASME SA182-14, SA479-17, SA 193-11 B8 CL-1, SA320-11 B8 CL-1, A58M A314-2008. IGC SATISFACTORY AS PER ASTM A 262-10 PRACTICE E. AMS 5639H /AMS56471 (EXCEPT MARKING), QQ-S-763F, NACE MIRO103-2012,NACE-MIRO175/ISO-15156-2015. SAE-AMS-S-7720A, MIL-S-862-B. AISI 304/304L& UNSWS0400/830403. CERTIFICATION AS PER EN 10204-3.1.

REWARKS

MATERIAL IS PREE FROM MERCURY CONTAMENATION, FREE FROM WELD OR WELD REPAIRS, MICRO:FREE FROM CONTINOUS CARBIDE NETWORK.
ON GRAIN BOUNDARIES, MACRO:GOOD, MENIMUM SOLUTION ANNEALING TEMPERATURE 1050C, SOAKING TIME 1/2. HTS, WATER QUENCHED.
MELT SOURCE:AOD, WE CONFIRM THAT THE MATERIAL HAS BEEN TESTED AND POUND TO BE FREE FROM RADIOACTIVE
CONTAMENATION.COUNTRY OF ORIGIN: INDIA.

We hereby certify that the material described above has been tested and complies with the terms of order/contract.

WORKS INSPECTOR

L/c Date

.023523

Item-SBR

.375

304L

Heat #-CH-3840



CHANDAN STEEL LIMITED (COVI. OF INDIA RECOGNISED EXCET HOUSE

THE CALCULATION OF THE PARTY AND PARTY OF THE PARTY OF TH

This field collection, hearth-th-collections/on Which a collection hearth and Book and blooming that L/c. No.: PFCHILLS VISITA IX, C. L. D. C., Colombia Stat Visita, Copent. SS ST. Val. S. C. Marrier Visit State SS ST. Sensil I Copentific Sensited Lab

REMOCENA / 62 / 18.12.2012

MILL TEST / INSPECTION CERTIFICATE 3.1

			*				Duty of July O. No.	PER	: 1507/00007 : 08.07/2016	-13/2016	2017		
******	,						SC.No. &	Dain	: P006712 : 18-16/0080 : E07/00867/				
		37	ODUCTO.	i e r isga	DNT .			LENG			Net Wr.		
	•	STAD		BOUND	BARS		Oct	level	Actual				
							12-	1216	12-126		6400 1200.		
Heat	6	AM			itas /Inches ·	Tolan		·		e Rosin			
THE STATE OF THE S	100		1/1/50F	. 3	100 4	10	,	. 3	Continue	AOD. Bu			
				C	TRANCAL.	COMPOSIT	ON (Wedg	at %)					
	С	9	Min	2	3	œ	Mo	N	Cu	Сэ	N		
Ma.	-	-	•	-		18.00	-	8.00	, =	-	-		
Mac.	0.020	1.00	2.00	0.045	0.000	29.00	1.00	10.50	1.00		0.2000		
Results	0.029	0.42	171	0.040	0.020	16.21	0.32	8.05	0.41	020	0.000		
			•		MECH	ANICALIE	PER PERS						
				defined :-	EN BO GE	3-1		W. Contract	Test Mathed	C. T	Nick hope		
Portfled Volum		book Sto		Tendle N/m	Shough n ² /MS's	Pinthern A	of Assa	ENEO 6806-1		Incomple State	-		
	0.2%()	ty0.2)	15(Ep1.0)	. 6	(-)	*	-	(8690)			20 C Southel		
Name of the least	. 5	4	360	9	12		. a	215-216	NA.	NA			
									·	1			
PME but Material	done 10 Is free f	0% de do 1000. Sent	Ground, and Subder cuty Cookie	desiden.	0			emented o	e 2000°C. A sudio-ectiva		ice.		
Index Co.	be ar w	دود الله «طعورة	100 TOWN POR 100 TOWN POR 100 TOWN POR	inemed or ine of Am) enthinctory. Lat while in our se from enchile	Principlant	oo.	• •				
No weld Map st				222.06	m	100/15 40/	ESA 102/1	A 2624-13	ASTM AGY	AUNL 15			
No weld Micro st General LThe west SMESA	ov No. 7 mini Co 27/5A	ndrame (C704-1)	ASTM AZ	LANGE	120 18-CI	LL ARKESAY	B/SAISEM	LISTE-CL	1.		•		
Micro str. Common The mai ASM SAM STM ASS RY 10000	= 10 C= 57/5A- 0/ASB 0: 2014	67,844-15 67,844-15 84-121,84 8-121,84 8-121,84	ASTALAZ ASTALAS CZ-1, ASAG NE 10273-200	6/A3986 SAS20/S S Specific	1-126-19-19 14-22014-19 Indian.	LI, ARMESAN SS CLI, AMB	10/8/1981 3Q-6-7888	COND A.A	1, MS-36981, /	16-36 7	EL,		
Micro st. Grant st. The men ASMESA. STM ASS N 10088- Lecato Madday	metal Car 179/3A- 10/AS20 3 - 2014 (a of sum y details	officered (679M-13 M-12 W b DDN B plo-Cu - Camp	ASSEM AZZ ABESTAS CLL, ABOS BE 10272-200 inn, Dissessement Long St	E/A199A ESASZO/S B Specific Mar-Long Mar-Conde	A 220 NO - CI A 220 MA - SO I Indiana. Indianal, The At Hout No.	L1, ARMESAN DS CL1, AMB (t Tump - Room	D/SAISTE Q-6-7000 Timp _e , Sa	COND A.A	1, MS-36981, /	16-36 7	E.		

This barrier coefficial that the above cought are term and council in every details and are receiving the conjugatements of qualification, it is entered as the conjugatements of qualification, it is entered as the conjugatements of qualification, it is conjugatement.

MANAGER-QUALITY ASSURANCE



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON NIKIZ3

METALLURGICAL TEST REPORT

6870 Highway 42 East Ghent, KY 41045-9615 (502) 347-6000

Certificate: 376093 4

Customer: 007080 003

Your Orders

119900

Date: 3/12/2017 Bage: 3

Steel: 303

Fialshi co

Corresion

MAS Order: IN 0244860 03

Red Batte: 69.6 11

PRODUCT DESCRIPTION:

ADMA SAY, AMMERICA, COID DYNY
THE 30300, ASTH ASS2/12 BY 10204 3.1, ASTH ASS4/15
AME 5640V TYPE 1, QOS-7645 COMDITION A
SOLUTION ANDREAL TEMP 1900V HOW

REMANTE TARGETALLICATE OF DEAR 252.325-7009 BO DIRECTIVE 2011/65/ED.ROM. EAR-ADD-5C. WO WILLD RESAIR. MILITED AND MOD OF DEAR 252.325-7009 BO DIRECTIVE AND MOD DEAR 252.325-7009 BO DIRECTIV

	232%	MAS Beat	CHEN	D 86091E	Product Id
		er.	CHENICAL		rd.
			ANALYSIS		
	g	2	H4		}
3255	.0397	0 %			and o I
		00 ¥	CM(Country of Mett) E8(Spain) U8(United States) ZA(South Africa) JP(Japan)	1.0000	Shid & Disaster
	.0078 17.0705	OX *	ett) E8(8pain)		82.28
	.2690	SE (50	UB(United	3 29	Medght
	.2690 1.8330	101 3	States) ZA()		
	. 2685	* OR	Lab Accredite South Africa) JP(144.00	Langth
	.0422	M A	itation 2 JP(Japan)	٠	
	1 1		nream.	μ.	10008
•	1.5350	37.75	Tanical		Mark Figors Commodity Code
	.0250	*	Anulysis		ty Code
			Cortifica		
			Stion Bureau, 180/IBC 17025, Certificates 13323 (Chamical Analysis Der ASTN A751/14a		

MECHANICAL PROPERTIES

314098 Q	Product Id
30 E	500 100
# L 356.0	No.
43.00	. 240
84.00	XBX
58.00	NA N
45.40	Fing Solis

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the socuracy of the test methods used, the material meets the specifications stated. These results relate only to the items bested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical Dept. Ngr.

KRIS LARK

3/32/2017



RSS-34303-V

CHANDAN STEEL LIMITED

(GOVT. OF INDIA RECOGNISED EXPORT HOUSE)

MORNING CHITIPOLITANIA SI MPARIM

ADM, DITTICE OF BAUT WORK IN BRATTON

T-4: 11-25 4409664 Fau 91-25-6120643504

Biglight symmetric principalisati Total switchesterland

Up Nea Lt. Date WORTH HANGE ACLINCIA Dist Valua Columb : 396 17L Tol-91-040-200 (900-7m; \$1-240-300-9072

1994 QC 69A/62/9012:2961

PO,12850 49742

MILL TEST ANSPECTION CERTIFICATE 3.1

				Diller 1	ACCORDI			_	•#		
						. •	P. O. No. SC.No. 4	t Date	2 XXXYXXXXXX 2 31.08.20XY 2 hCXXXXXX 2 16-43/007XX 2 XXXXXXXXXXX 2 XXXXXXXXXXX	De16.53.201	7 .
			DUCT DES		•	•		LENGT	H	No	ew.
		STAINLE	as everl	ROUND 1	ARS			dered	Actual	1	476 LBS
							. 12	-16	12'-14'		
Keat 1	No.	Gı	reds	12	Mze	Eal	MADER		Propes	Route	
CH-6	0		03		Virtualina Vir	1	19	. 6	ectric Meliting.	A _r O, D. Refu ne Castizg	day.
-	14		20	-	MICAL CO	,		ight %)			
	c	- \$I	Mn	P	S	Ġ	Mo	NL	Ox	Ti	N
Mfn.	-	-	-	-	0.150	17.00	-	- B.00	•	14	-
Max.	0.150	1,00	2.00	0.200	-	19.00		30.00	•	-	-
Ecculte	9.045	0.48	1.06	0.036	0.220	17,25	-	8.00		-	-
					MECHAN	ICAL PR	OPERFIE	S-			
Specified.		ield Stren un Mital	_		Strangth Mile(Rm)		gethom	Reduct	on of Area %		daeso Ib)
Min.		-			-				•		
Max.		-			-		•		•	3	62
Results		388		7	10		7		60	229	1-228

1. Cold drawn & Controlless Cround.

2. Substigm annealed at 1060 °C

- 3. PMI lest done 100% & found Spilafactory.
- 4. Material has improved machinability.
- 5. Material is free from undio-active contamination.
- 6. The material conforms to ASTM ASSASSEM-12 Specifications.
- 7. Location of sumple Centre, Direction Longitudinal, Test Tranp Room Temp., Shape of Yest Place Round
- 8. Marking dutalis Company Logo, Size, Grade & Hest No.
- 9. The material is manufactured/melt in Chandon Steel Mills and is of Indian Origin.
- Ill. No welding/weld repetes was performed on this material.

BUNDLENO:

A STATUTEL MANAGER - QUALITY ASSURAN

It is heroby corition that the above cosults are true and correct in every distalls and are meeting the organizations of specification of porchass or



COLD FINISHED PLAT BARS

FCR-13

PCL ING Bessile STN 20720 Ashelie (Diguzina) Seein

WANK URANIDES TOWN

Admin. y Pinamen / Accounte Tel.: (+34) 943 057 351 (+34) 940 261 718 Pauc (+04) \$43 857 312

Contestiel Tel.: (104) 546 261 712 Fee: (1-24) 946 264 026

TR-1923

CERTIFICADO DE CALIDAD

Destinatario : Material:

LES ACTERS TRANSBEC

COLD ROLL SAB 1018, ACCORDING TO ASTM A108

CERTIFICAMOS: Que el material suministrado con cargo a los pedidos de

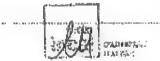
referencia y amparedo por mucetro albarran Nº EXXA.773 y Fra. Nº EV17/286

corresponden a los análiste y fisiones siguientes de acuerdo con la norma EN 19204/22:

		Compas	letan Çolmien de	la cola	ds				Carsel,	mociaica	lamiara
S/.Pedidas Nº	MATERIAL	CALEDAD	COLADA	C-	DEN.	81. %	S. %	P. 96	Re Name	Rm Nimm2	A %
MN-47089	5 23/8		171108	0,15	0.77	0,14	0,002	0,016	554.00	SEO,00	12,00
MN-47093	2 X 1/4		590449	0,36	0,76	0,20	0,011	0,017	329,00	495,00	29,00
MDN-47093	5 X 3/E		171108	0,15	0,77	0,14	0,002	0,016	\$54,00	580,00	12,00
MN47093	6 X 3/4		. 170723	0,17	0,75	0,19	0,002	0,021	553,00	580,00	14,00
QU-483'11	1 X 3/4 FC	2342	171454 -	0,16	0,73	91.0.	0,005	0.017	307.26	446,12	26,18
OU-48311	3 X 3 K A	8343	171459	4,15	0,70	0,16.	0,005	0,017	325,17	435,80	24,31
- DU-48311	3X1 /=	X13 (17:456	0,15	0,70	0,19	0,004	0,019	319,60	453,88	26.57
OU-1831L	4 X 1/2 /-	12/24	171428	0,15	0,81	0,18	0,011	0,017	315,61	448,72	26,44
PAJ-43098	2 X I/2		171444	0,17	0,79	0,19	0,007	0,016	313,22	462,60	24,10
PAJ-48098 1	3 X 3/\$		171438	0,19	0,80	8,24	0,058	0.017	325,45	456,76	24,91
PAJ-48098	3 X 1/4		171455	0,15	0,70	0,16	0,005	0,017	328,17	455,80	24,31
PAJ-48098	3 X 1-1/2		170400	61,0	0,79	0,18	0,004	0,016	323,17	455,80	24,31
PAJ-48098 .	6 X 1/2		171612	0,16	0,82	0,20	0,004	0,019	550,00	576,00	13,00
PAJ-48098	1 X 6		170932	0,17	0,75	0.16	4,005	0,019	557,00	585,00	14,50
PAJ-48098	8 X 3/4		162602	6,13	0,79	0,16	0,003	0,013	558,00	586,00	14,DR
PAR-48178	2 X 3/16		54305	0,15	0,70	EL,D	0,036	0,011	348,00	481,00	32,70
PAR-48178	6 X 1/2		171612	0,16	0,82	0,20	0,004	0.018	550,00	\$76,00	13,00

Garnika (SPAIN), 11 de Septionbre de 2.017

Responsable de Calidad





ARANA Y LUPARDO, 2

48490 UGAO-MIRAVALLES/VIZCAYA (SPAIN)

Tho: 946480211 Fac: 946480128

Email: culmadera@calibradospradera.es

www.calibradospradeca.cs

CERTIFICADO DE CALIDAD/QUALITY REPORT

De acmerdo a /Made according to:

EN 10204/BIN 50049

3.1

Nº CERTHEICADO / CERTEFICATE NR.: 48819

ALBARAN 48819 Delivery Note No.

(HATEL) TES LES ACIERS TRANSBEC (1997) LITÉE

CUSTOMER

Norman : EN 10277

Productos Calibrados de apero. Condiciones técnicas de suministro.

Norm:

Bright steel products. Technical delivery conditions.

PRODUCTO SOLICITADO / PRODUCTACCORDING ASTMA108

1018 CUA ESTIRADO 12,70 (1/2") 916617. 12,70 PAR-47951 880 -0,110 982 | -0,110 OU-47812 1018 CUA ESTURADO 12,70 (1/2") COR 12 916617 12,70 1018 CUAL ESTORADO 38,10 (1 1/2") 139549 AQM-47672 1.018 -0,160 38,10 1018 CUA. ESTIRADO 12,70 (UZ") 916617 12,70 PAJ-48073 990 - 0.110 1018 CUA ESTERADO 38,10 (1 L/2" 1.016 | -0,160 PAJ-48073 139756 38,10 1018 CUA. ESTERADO 38,10 (1 1/2") 139775 38,10 MJP-47896 2.032 -0,160 MNL47094 1018 CUA ESTIRADO 38.10 (1 L/2") 38,10 892 - 0,160 139817 MOV-47094 12L14 RED. BSTTRADO 3L75 (1 1/47) 892 - 0,051 202514 31,75 PAJ-48097 1018 CUA ESTIRADO 38,10 (1 1/2") 886 (- 0,160 140120 36,10 PAR-48177 1013 CUAL ESTIRADO 25,40 (1") 1.036 -0,L30 916780 25,40 1018 RED. ESTIRADO 25,49 (17) 4.004 - 0,051 25,40 140110 PAR-48177 12L14 RED, ESTIRADO 22,23 (7/87) 202551 22,23 PAR-48177 994 -0,051 12L14 HEX. ESTIRADO 28,58 (1 1/8") 916960 1.056 - 0,076 28,58 PAR-48177 RED. ESTERADO 12,70 (1/2") 148121 12,70 MJP-48227 1.030 -0.051 [2L14 RED. ESTERADO 15,88 (5/8") CU-48310 1.008 | -0,051 140427 15,88 RED. ESTRADO 1.062 - 0,051 6,35 (1/4" 140428 CU-48310 1018 6.35 RED. ESTIRADO 19,05 (347) 2,044 - 0,051 140430 1018 19,05 OU-48310 OU-48310 RED. ESTIRADO 12,70 (1/2") 140431 1018 1.060 - 0.051 12,70 AQM-47689 RED. ESTERADO 9,53 (3/6") 950 - 0.951 140166 9,53

Composición química, de la calgula / Chemical Analysis of Host

MEDIDA Measurement	OF	COLADA Cast Nr.	% C	%	% Ct	7/4	% Die	% N	76 241	% F	1/4 270	3	% 88
12,70 0,00	926617	41450 1	0,150	0,000	0,000	0,769	0,000	0,000	0,000	0,015	0,000	0,009	0,194
12,70 0,00	916517	41450	0,150	0,000	0,000	0,769	0,000	0,000	0,000	0,015	0,000	0,009	0,194
38,10 0,00	139549	41798	0,165	0,000	0,L50	0,760	0,000	0,000	0,000	0.010	0,000	0,012	0.230
12,70 0,00	916617	41450	0,150	0,000	0,000	0,769	0,000	0,000	0,000	0,015	0,000	0,009	0,194
38,10 0,00	139756	41798	0.165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
38,10 0,00	139775	41798 !	0,165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
38,10 0,00	139817	41798	0,165	0,000	0,150	0,760	0,000	0,000	0,000	0,010	0,000	0,012	0,230
31,75 0,00	202514	40991 W	0,070	0,140	0,270	1,110	0,030	0,000	0,120	0,052	0,210	0,313	0,020
38,10 0,00	140120	41798	0,166	0,000	0,150	0,760	0,000	0.000	0,000	0,010	0,000	0,012	0,230
25,40 0,00	916780	41544 C	0,160	0,000	0,000	0,720	0,000	0,000	0,000	0,016	0,000	0,023	0,160
25,40 0,00	140110	41830 G	0,170	0,000	0,000	0,670	0,000	0,000	0,000	0,015	0,000	STOO	0,134
22,23 0,00 :	202551	41687 AG	0,070	0,046	0,012	1,130	0,006	0,000	0,023	0,064	0,270	0,300	0,003
28,58 : 0,00	916960	4)658 AG	0,070	0.080	0,010	1,090	0,011	0,000	1,024	0,056	0.300	0,300	0,005
12,70 0,00	140121	41690 GM	0,178	0,000	0,029	0,710	0,000	0.007	0,000	0,020	0,000	0,008	0,160
15,88 0,00	140427	41826-G	0,066	0,028	0,085	1,125	0,010	0.000	0.033	0,044	0,260	0,304	0,012
6,35 0,00	140426	41480 GM	0,160	0,000	0,000	0,750	0,000	0,000	0,000	0,021	0,000	0,032	0,160
19,05 0,00	140430	41702 AG	0,177	0,000	0,119	0,787	0,000	0,002	0,000	0.013	0,000	0,022	0,201
12,70 0,00	140431	41705 GM	0,160	0,000	0,760	0,720	0,000	0,012	0,000	0,013	3,000	0,012	0,170
9.53 0.00	140166	41460 GM	0.160	0,000	0.000	0,750	0,000	0,000	0,000	0.021	0,000	0,032	0,160



ARANA Y LUPARDO, 2

48490 UGAO-MIRAVALLES/VIZCAYA (SPAIN)

Tino.: 946480211 Fax: 946480128

Email: calpadom@calibradospradora.es

www.calibradospradcra.cs

CERTIFICADO DE CALIDAD/QUALITY REPORT

De acuerdo a /Made according to:

KIN 10204/DIN 50049

3.1

Nº CERTIFICADO / CERTIFICATE NR.: 48819

ALBARAN 48819 Dalivery Note No. CLIENTE LES ACIERS TRANSBEC (1997) L'IÉE

CLISTOMER

Norma : EN 10277

Productos Calibrados de acero. Condiciones técnicas de suministro.

Norm:

Bright steel products. Technical delivery conditions.

Currenteristicus mediaticus / Mechanical proporties

MEDIDA.	OF	COLADA Cast Nr.	Resistencia Tens. stranghi Nimm2	Lim elistics Field point 0,2% N/mm2	Alargamiente Elongation Lo=50 nms.	Ourean HOS Hardness FB	Batriczión %
2,70	916617	41450	606,20	550,30	15,40	185,00	61,50
12,70	916617	41450	606,20	550,30	15,40	185,00	61,50
38,10	139549	41798	472,00	314,00	53,00	0,00 .	0,00
12,70	916617	41450	606,20	550,30	15,40	185,00	61,50
38,10	139756	41798	472,00	314,00	33,00	0,00	0.00
38,10	139775	41798	472,00	314,00	33,00	0,00	0,00
38,10	139817	41798	472,00	314,00	33,00	0,00	0,00
31,75	202514	40991 W	545,20	529,60	24,08	200,00	40,07
38,10	140120	41798	472,00	314,00	33,00	0,00	0,00
25,40	916780	41544 C	499,00	321,00	29,00	0,00	0,00
25,40	140110	41830 G	608,12	588,78	27,36	205,00	57,24
22,23	202551	41687 AG	551,91	540,60	17,60	190,00	49,80
28,58	916960	41658 AG	491,80	472,70 -	25,70	162,00	50,83
12,70	140121	41690 GM	647,41	585,28	16,92	228,00	63,62
15,88	140427	41826 G	588,93	579,26	11,28	175,00	41,65
6,35	140428	41480 GM	536,00	0,00	35,90	0,00	0,00
19,05	140430	41702 AG	609,50	579,72	16,86	180,00	61,57
12,70	140431	41705 GM	612,53	597,86	13,40	195,00	46,67
9,53	140166	41460 GM	524,00	0,00	. 33,50	0,00	0,00

Calbital Separticial

DESCREPCIÓN Descripción	OF .	Class EN 10271-I
12L14 RED, ESTIRADO 31,75 (1 1/4")	202514	3
12L14 RED. ESTIRADO 22,23 (7/8")	202551	. 3
12LJ4 HEX, ESTIRADO 28,58 (1 1/8")	916960	1
1018 RED. ESTIRADO 12,70 (1/2")	140121	٠ 3
12L14 RED. ESTIRADO 15,88 (5/8")	140427	3
1018 RED. ESTIRADO 6,35 (1/4")	140428	2
1018 RED. ESTIRADO 19,05 (3/4")	140430	2
1018 RED. ESTIRADO (2,70 (1/2")	140431	3
1018 RED. ESTIRADO 9,53 (3/8")	140166	2

Observaciones BARRAS DE ACERCO ESTERADAS EN FRIO SIN ALEAR



ARANA Y LUPARDO, 2

48490 UGAO-MIRAVALLES/VIZCAYA (SPAIN)

Tino.: 946480211 Fac: 946480128

Email: calpradera@calibradospradera.es

चन्त्रच,दर्भकेतावेठकातावेसा ६८८

CERTIFICADO DE CALIDAD/OUALIT

De aenerdo a /Made according to:

EN 10204/DEN 50049

Nº CERTIFICADO / CERTIFICATE NR.: 48819

ALBARAN 48819 Delivery Nate Nr.

CLIENTE LES ACIERS TRANSBEC (1997) L'TÉE CUSTOMER

Norma : EN 10277

Productes Calibradas de acero. Condiciones técnicas de saministro.

Norm:

Bright steel products. Technical delivery conditions.

DEPARTAMENTO DE CALIDAD: Certifica que el mencionado producto emple con las especificaciones del pedida. QUALITY DEPARTMENT: Carify that the product fulfils the order specifications.

Feeba/Date: 20/09/2017

Firmade: Stratta Fernández

Otrestora de Calidad



#5306 RCR-2-20

TRA 1588 48474



ARANA Y LUPARDO, 2 48490 UGAO-MIRAVALLES/VIZCAYA (SPAIN)

Tino.: 946480211 Fax: 946480128

Email: calpradera@calibradospradera.es www.calibradospradera.es

CERTIFICADO DE CALIDAD/OUALITY REPORT

De acuerdo a /Made according to:

EN 10204/DIN 50049

Nº CERTIFICADO / CERTIFICATE NR.: 47901

ALBARAN 47901 Delivery Note Nr.

CLIENTE CUSTOMER

LES ACIERS TRANSBEC (1997) L'ÉE

Norma : EN 10277

Productos Calibrados de acero. Condiciones técnicas de auministro.

Norm:

Bright steel products, Technical delivery conditions,

PRODUCTO SOLICITADO / PRODUCT ACCORDING ASTRA A 108

Nº PRDEDO	DESCRIPCIÓN Description		TOP TO AVER	OR	A CONTRACTOR
PA3-47284	1018 RED. TORNEADO 101,6 (4")	1.989	- 0,102	139585	
O(7≥4%36	1018 KED, ESTIKADO 69,85 (2.3AF)	1.134	-0,102	[38834	69,85
MJP-47531	1018 RED. ESTIRADO 57,15 (21/4")	1.050	- 0,076	139149	57,15
MJP-47861	1018 RED, ESTIRADO 57,15 (2.1/4")	2,234	-0,076	139301	57,15
PAR-47786	1045 RED. ESTTRADO 50,80 (2°)	1.074	-0,102	139307	50,80
OC 47312	1018 RED. ESTIRADO 69,85 (2.3/4")	751	-0,102	139335	69.85
MJP-47968	1018 RED. ESTIRADO 49,21 (1 15/16°)	990	- 0,076	139399	49,21
SM-47572	1018 RED. ESTURADO 50,80 (2")	990	- 0,076	139484	50,80
SM-17572	1018 RED. ESTIRADO 57,15 (2 1/4")	1.050	-0,076	139485	57,15
AQM-17672	1018 KED ESTRADO 49,21 (1.15/16")	1.882	-0,076	139550	49,21
AQM-47672	1018 RED. ESTIRADO 50,80 (2")	992	-0,076	139551	50,80
OU-47632	1018 RED. ESTTRADO 50,80 (2")	992	- 0,076	139621	50,80
PAJ-48073 W	1018 RED. ESTERADO 49,21 (1 15/16")	694	- 0,076	139755	49,21
PAJ-48073	1018 RED, ESTIRADO 50,80 (2")	988	- 0,076	139754	50.80
MN-47094	1018 RED. ESTIRADO 50,80 (2")	994	- 0,076	139815	50,80
PAR-46154	1018 KED. ESTIRADO 57,15 (2 14")	1.185	-0,076	139763	57,15
MJP-47896	1018 RED. ESTIRADO 50,80 (7")	3.264	- 0,076	139780	50,80
MUP-47#96	1018 RED. ESTIRADO 57,15 (2 1/4")	1.188	-0,076	139779	57,15

Composición quimica de la celada / Chemical Analysis of Heat

MED		OF	COLADA	%	%	%	%	%	%	%	%	%
Meustan	1159905		Cast Nr.	С	Cr	Cu	Ma	Me	N	P	S	SI
101,60	0,00	139585	41529	0,150	0,000	0,000	0.600	0,000	0,000	0,000	0,000	0,100
69,85	0.00	138834	41577 AG	0,173	0,000	0,132	0,817	0,000	0,003	0,010	0,022	0,218
57,15	0,00	139149	41574 AG	0,179	0,000	0,103	0,776	0,000	0,003	0,012	0,024	0,207
	0,00	139301	41574 AG	0,179	0,000	0,103	0,776	0,000	0,003	0,012	0,024	0,207
50,80	0,00	139307	41479 AG	0,470	0,187	0,000	0,760	0,003	0,000	0.012	0,020	0.197
69.85	0.00	139335	41577 AG	0,173	0,000	0,132	0,817	0,000	0,003	0,010	0,022	0,218
49,21	0,00	139399	41607 AG	0,177	0,000	0,119	0,787	0,000	0,002	0,013	0,022	0,201
50,00	0,00	139484	41607 AG	0,177	0,000	0,119	0,787	0,000	0,002	0;013	0,022	0,201
57,15	0,00	139485	41574 AG	0,179	0,000	0,103	0,776	0,000	0,003	0,012	0,024	0,207
49,21	0,00	139550	41607 AG	0,177	0,000	0,119	0,787	0,000	0,002	0,013	0,022	0,201
50,80	0.00	139551	41607.AG	0,177	0,000	0,119	0,787	0,000	0,002	0,013	0,022	0,201
50,80	0.00	139621	41607 AG	0,177	0,000	0,119	0,787	0,000	0,002	0,013	0,022	0,201
49,21	0,00	139755	41607 AG	0,177	0,000	0,119	0,787	0,000	0,002	0.013	0,072	0,201
50,80	0,00	139754	41607 AG	0,177	0,000	0,119	0,787	0,000	0,002	0,013	0,022	0,201
50,80	0,00	139815	41607 AG	0,177	0,000	0,119	0,787	0,000	0,002	0,013	0,022	0,201
57,15	0,00	139763	1 41574 AG	0,179	0,000	0,103	0,776	0,000	0,003	0,017	0.024	0,207
\$0.80	0,00	139780	41607 AG	0,177	0,000	0,119	0,787	0,000	0,002	0,013	0,022	0,201
57,15	0.00	139779	41574 AG	0,179	0,000	0,103	0.776	0,000	0.003	0,012	0,024	0,207

Caracteristicas mecânicas / Mechanical properties



ARANA Y LUPARDO, Z 48490 UGAO-MIRAVALLES/VIZÇAYA (SPAIN)

Tino.: 946480211

Fax: 946480128

Email: colpandera@tallbrad@spradera.cs

zo-srobergiolisticities, www.

CERTIFICADO DE CALIDAD/QUALITY REPORT

De acuerdo a /Made according to:

EN 10204/DEN 50049

3.1

RECERTIFICADO / CERTIFICATE NR.: 47901

ALBARAN 47901 Dethery Note No. CLEENTE. CUSTOMER

LES ACTERS TRANSBEC (1997) LTÉE

Norma : EN 10277

Productos Calibrados de acero. Condiciones técnicas de sacainistro.

Norm:

Bright steel products, Technical delivery conditions.

MEDIDA Meantwellerid	OF	COLADA Cost Nr.	Redstencia Tow. strenght Moun2	Vield paint 0.2% Norm2	Alargamiento Elongotion Lo=50 nm.	Hardnest Hardnest HB
101,60	139585	41529	458,00	299,00	30,00	135,00
69.85	138834	41577 AG	457,00	0,00	0,00	0,00
57,15	139149	41574 AG	471,00	0,00	0.00	0,00
57.15	139301	41574 AG	471,00	0,00	0,00	00,00
50,80	139307	41479 AG	731,00	0,00	0,00	0,00
69,85	139335	41577 AG	457,00	0,00	0,00	0,00
49.21	139399	41607 AG	459,00	0,00	0.90	0,00
50.80	39484	41607 AG	459,00	0,00	0,80	0,00
57.15	139485	41574 AG	471,00	0,00	0.00	0,00
49,21	139550	41607 AG	459,00	0,00	0,00	00,00
50,80	139551	41607 AG	459,00	0,00	0,00	0,00
50,50	139621	41607 AG	459,00	0,00	0,00	0,00
49,21	139755	41607 AG	459,00	0,00	00,B	0,00
50,80	139754	41607 AG	459,00	0.00	0,00	0,00
50,80	139815	41607 AG	459.0D	0,00	0,00	0.00
57,15	139763	41574 AG	471,00	0,00	0.00	0,00
50.80	139780	41607 AG	459,00	0,00	: 0,00	0,00
57,15	139779	41574 AG	471,00	0,00	: 0,00	0,00

Calldad Superficial

A to the second		
DESCRIPCIÓN	OF	Clase
"		EN 10277-1
Description	1	En 10277-1

Observaciones BARRAS DE ACESO ESTIRADAS / TORNEADAS EN FRIO SIN ALEAR

DEPARTAMENTO DE CALIDAD: Certifica que el crescionado producto comple con las especificaciones del pesido.

(20:4) ITY (SEP.) RESENT: Configuian dos product fulfils the order specificacions.

Focka/Date: 21/86/2017

Firmado: Surana Fernández Directora de Calidad



MATERIAL RECEIPT INSPECTION FORM

MATERIAL MIOI DATEF			PO BA105	~ 038893/s03794
NATERIAL CERT REC D	1-25		OKNESS ORDE	7.00
QUANTITY RECEIVED	201	THIC	KNESS RECE	VED 2.00
QUANTITY INSPECTED	264		ET SIZE ORDE	A CONTRACTOR OF THE PARTY OF TH
QUANTITY REJECTED	0		ETSZERECE	
	~			
	NCR			
DESCRIPTION	(Check Y/N)		COMMEN	TS
SURFACE DAMAGE	YN			
CORRECT FINISH	ON			
CORROSION	YW			
CORRECT GRAIN DIRECTION	(N	1 1 00		
CORRECT MATERIAL PER M-DRAWING		M 4108		
CORRECT THICKNESS	(P) N			
PHOTO REQUIRED	Y (N)	11/41607	1/	
CORRECT REF # TO LINK CERT	ON DN Jee	TH4160 1	HU	
CORRECT MATERIAL IDENTFICATIO	M N			
CORRECT M# ON THE MATERIAL	10 1			
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y			
DOES THIS REQUIRE AN				
EXTRUSION REPORT	YN			
CUT SAMPLE PIE	CE OF MATERIAL	AND DREECE	M A HARONE	SSICHEO.
CO: SAMI LETTE		ESULTS BELO		.00 00
	HRC	HRB	DJRA	DURE MESS EN
YPE OF MATERIAL				1
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER REAL	DING			
	testers located	I in the Quality Off	ce	
C 18 INSPECTION			ENGINEE	RING SIGNOFF (if requires
DAS				
.NSPECTED BY: 11		S'G	NED OFF BY	
DATE. 9-8FEB	0 1 2018		DATE	
· /	0 1 2010		DATE	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

1 2012 -09-24

8	REFOR	MAT, ADD AS	REFORMAT, ADD ASTM A108, ADD TOLERANCES	d _O	12 09 05
«	NEW ISSUE	SSUE		SO	01 08 12
REV.			DESCRIPTION	BY	DATE
DESIGN	_	SO	DART AEROSPACE ITD	ACFI	9
DRAWN	-	S	HAWKESBURY ONTARIO, CANADA	RIO, CANA	AC
CHECKED	9	14.	DRAWING NO		REV. 8
MFG. APPR.	PPR.	2	M1018-R		SHEET 1 OF 1
APPROVED	VED	5	TITLE		SCALE
DE APPR.	مخ	+	1018-1025 ROUND BAR	SAR	NTS
DATE	12.0	12.09.05	COPYRIGHT © 2001 BY DART AEROSPACE LTD THE SYNDRIFF CHAPTER OF SYNDRIGHT OF THE STREET CHAPTER OF THE STREET OF T	TAEROSPACE	LTD

PURCHASE MATERIAL: AISI 1018-1025 ROUND BAR MIL-S-7097 OR ASTM A108 SPECIFICATION:

SPECIFICATION CONTROL DRAWING

۵

M1016-R DDDD WHERE D.DDD = DIAMETER IN INCHES DIA. PART NUMBER:

EG. 7/8" ROUND BAR = M1018-R0 875 PER ASTM A108 AS FOLLOWS:

TOLERANCE +0.000/-0.003 +0.000/-0.003 +0.000/-0.005 +0.000/-0.006 SIZE UP TO 15" INCL. OVER 15" TO 2.5" (INCL. OVER 2.5" TO 4.0" INCL. OVER 4.0" TO 6.0" INCL.

TOLERANCES:

U

MATERIAL RECEIPT INSPECTION FORM

MATERIAL MIO18 RO. 250 DATE: FEB 0 1 20	
MATERIAL CERT RECD	THIOKNESS ORDERED 0.25
QUANTITY RECEIVED 121	THICKNESS RECEIVED 0.290
QUANTITY INSPECTED: 121	
QUANTITY REJECTED	SHEET SIZE ORDERED: 1/4 SHEET'S ZE RECEIVED 1/4
DESCRIPTION NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE Y (N)	
CORRECT FINISH ON	
CORROSION Y (N)	W W W W
CORRECT GRAIN DIRECTION (Y) N	1
CORRECT THICKNESS N N	m A 108
PHOTO REQUIRED Y	
CORRECT REF # TO LINK CERT ON 14	AH 41480 Cm
CORRECT MATERIAL IDENTFICATION (X) N	
CORRECT M# ON THE MATERIAL ON N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y	
ENGINEERING SIGN OFF Y NO DOES THIS REQUIRE AN	
EXTRUSION REPORT Y	
	LAND PREFORM A HARDNESS CHECK. ESULTS BELOW
HRC	HRB DUR A DUR D : WEBSTER
TYPE OF MATERIAL S.ZE OF TEST SAMPLE	
FARDNESS / DUROMETER READING	
	I in the Quality Office
OC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
DAS	ENGINEERING SIGNOFF (II EQUISE
INSPECTED BY: 11	SIGNED OFF BY:
DATE: 9-89 FEB 0 1 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received

SPECIFICATION CONTROL DRAWING

C

1 2012 -09- 24 W

01	ART AEROSPACE	COPYRIGHT © 2001 BY DART AEROSPACE LTD	12 09 05		DATE
NTS	BAR	1018-1025 ROUND BAR	1	DE APPR.	DE A
SCALE		TITLE	E	APPROVED	APP
SHEET 1 OF 1		MICIO-X	5	MFG, APPR,	MFG
REV. B		DRAWING NO.	AR	CHECKED	CHE
JA.	TARIO, CANAC	HAWKESBURY, ONTARIO, CANADA	S	NA	DRAWN
9	SPACE L	DART AEROSPACE LTD	DS	GN	DESIGN
DATE	ВҮ	DESCRIPTION			REV
01 06 12	SO		SUE	NEW ISSUE	>
12 09 05	CP	REFORMAT, ADD ASTM A108, ADD TOLERANCES	MAT, ADD ASTI	REFORM	Θ

UP TO 1.5" INCL.
OVER 1.5" TO 2.5" INCL.
OVER 2.5" TO 4.0" INCL.
OVER 4.0" TO 6.0" INCL.
OVER 6.0" TO 8.0" INCL.

SPECIFICATION:

MIL-S-7097 OR ASTM A108

M1018-R D.DDD WHERE D.DDD = DIAMETER IN INCHES

PURCHASE MATERIAL: AISI 1018-1025 BOUND BAR

PART NUMBER:

TOLERANCES

PER ASTM A108 AS FOLLOWS: EG. 7/8" ROUND BAR = M1018-R0 875

TOLERANCE +0.000/-0.002 +0.000/-0.003 +0.000/-0.004 +0.000/-0.005 +0.000/-0.006

MATERIAL RECEIPT INSPECTION FORM

	1-5-5				
VATERIAL M303		_	PO BATOR	VO 0387	43/50374
DATE	EB 0 1 2018	_			
MATERIAL CERT RECD	25		OKNESS ORDE	RED (5:	750
QUANTITY RECEIVED 9	-611		OKNESS RECE		
QUANTITY INSPECTED 9			ET SIZE ORDE		. 4
QUANTITY REJECTED	3		ET S ZE RECE		IA
DESCRIPTION (C	NCR Check		COMMEN	TS	
SURFACE DAMAGE Y	Y/N)				
CORRECT FINISH					
CORROSION	(R)				
CORRECT GRAIN DIRECTION) N				
CORRECT MATERIAL PER M-DRAWING		A582			
CORRECT THICKNESS (Y		*,00			
PHOTO REQUIRED Y		11 1	<i>-</i>		
CORRECT REF # TO LINK CERT (Y		Then 60	74		The state of the s
CORRECT M# ON THE MATERIAL					
COES THIS MATERIAL REQUIRE	110				
ENGINEERING SIGN OFF	NT.				
DOES THIS REQUIRE AN	N. C.				
EXTRUSION REPORT Y	(1)				and the seconds.
CUT SAMPLE PIECE O	F MATERIAL A			SS CHECK	
	HRC	HRB	DURA	DUR I	A E B B E E
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					
	testers located in	the Quality Office	<u>ce</u>		
OC 18 INSPECTION			ENGINEER	ING SIGNO	F (if require
DAS					· (". S.E. 53)
INSPECTED BY: 11		S!GI	NED OFF BY:		
9-89 FFD 0 4	7810				
DATE: FEBUIA	1010		DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

2010-02-03 MD

SHEET 1 OF 1 REV. B 01.12.20 DATE 10.01 05 DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M303R CP OS 303 ROUND BAR B REFORMAT DWG. ADD SPECS (ZN Dê-1),
REF PAR 08-020A
A NEW ISSUE CHECKED
MFG. APPR.
APPROVED
DE APPR.
DATE 10.0 DESIGN DRAWN

NTS

SHT @ 2001 BY DART AEROSPACE LTD

10.01.05

WHERE "D.DDD" = DIAMETER IN INCHES PURCHASE MATERIAL: AISI 303 SS ROUND BAR (NOTE-AIS) 304/316 NOT ACCEPTABLE) M303RID.DDD DIA. ASTM A582

EG. 0.75" ROUND BAR = M303R0.750

SPECIFICATION: PART NUMBER: **@**

U

SPECIFICATION CONTROL DRAWING

Ω

MATERIAL ME	304RO.375		40 BA 05	VC ATOD	03/200
	FEB 0 1 2018			0.500	1402799
	PED U 1 ZUIU				
MATERIAL CERT REC'D.	VAS	-E:	OKNESS ORDE	RED Q =	375
QUANTITY RECEIVED	2411		KNESS REDE!		
QUANTITY INSPECTED:	24"		ET S.ZE ORDE!		14
	24			-	
QUANTITY REJECTED.	<i>e</i>	5.71	ET S ZE RECE '	VES VV	#
	NCD				
DESCRIPTION	NCR (Check		COMMENT	-5	
D100/(11:10)(Y/N)		OO:MIV: L. W	. 0	
SURFACE DAMAGE	YN				
CORRECT FINISH	(Y) N				
CORROSION	YN				
CORRECT GRAIN DIRECTION	Y N				
ORRECT MATERIAL PER M-DRAWI		A276			
CORRECT THICKNESS	(Y) N				
PHOTO REQUIRED	YN				
CORRECT REF # TO LINK CERT		Itch 3	240		
ORRECT MATERIAL IDENTFICAT			0.1-0		
CORRECT M# ON THE MATERIA	L Ø N				
DOES THIS MATERIAL REQUIRE					
ENGINEERING SIGN OFF	Y (1)				
DOES THIS REQUIRE AN					
EXTRUSION REPORT	Y				
OUT OALVELT DI	EOE OF MATERIAL A				
CU! SAMPLE PI	ECE OF MATERIAL A			SS CHECK	
	RECORD RES	HRB	DUR A	DUR I	V.EBSTER
YPE OF MATERIAL	1110	11170	3317	50.7 -	V. 2 2 2 2
ZE OF TEST SAMPLE					
ARDNESS / DUROMETER REA	ADING				
AND IN LOG / BONOWILLIEN NE		the Overline Offi		-	
	testers located in a	ne Quality On!	<u>ce</u>		
# 1000 to page 1970					22 38 7 35 72
Ç 18 INSPECTION			ENGINEER	RING SIGNO	rr (if require
4.4					
		SIG	NED OFF BY:		
0.00					
DATE: 9-89FE	B 0 1 2018		DATE:		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received a

0

SPECIFICATION:

PART NUMBER:

M304R D.DDD

EG. 0.75" ROUND BAR = M304R0 750 WHERE "D.DDD" = DIAMETER IN INCHES PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR
(NOTE: AISI 303 NOT ACCEPTABLE)

SPECIFICATION:

ASTM A276

DESIGN DRAWN B REFORMAT DWG, ADD SPECS (ZN D6-1).
A NEW ISSUE DESCRIPTION DART AEROSPACE LTD AJS CP 08 03 03 DAT€ 09.07 15

CHECKED

M304R

304/316 ROUND BAR

SHEET 1 OF 1 SCALE NTS

REV. B

>

MFG. APPR APPROVED

09.07.15

 \cap

0

MATERIAL <u>M30</u> DATE	FEB 0 1 2016	5_	PO BATOR	VC 0387	93/50579
MATERIAL CERT REC D QUANTITY RECEIVED QUANTITY INSPECTED QUANTITY REJECTED	125 12''	TH/S	KNESS REDE	RED 0.43 VED 0-43 RED 1/1	375
DESCRIPTION	NCR (Check		COMMEN	TS	
SURFACE DAMAGE	Y/N) Y N				
CORRECT FINISH	(Y) N				
CORROSION	YN				
CORRECT GRAIN DIRECTION	YN				
CORRECT MATERIAL PER M-DRAWING	C) N AST	m A276			 - ·· ·
CORRECT THICKNESS	Ø N				
PHOTO REQUIRED CORRECT REF # TO LINK CERT	(R) N Her	L+ 1001111			
DRRECT MATERIAL IDENTFICATION	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t # 10244	5		unt de la desserta facilità de la constanti de
CORRECT M# ON THE MATERIAL	Ø N				
DOES THIS MATERIAL REQUIRE					
ENGINEERING SIGN OFF	YN				
DOES THIS REQUIRE AN					
EXTRUSION REPORT	Y				
CUT SAMPLE PIEC		_ AND PREFOR ESULTS BELOV	N		
	HRC	HRB	DJRA	DURI	, / EBSTER
YPE OF MATERIAL				-	
ZE OF TEST SAMPLE	12:0			7	
ARDNESS / DUROMETER READ					
	testers located	I in the Quality Off:	ce		
Ç 18 INSPECTION			ENGINEE	RING SIGNOI	-F (if regare
1110			NIED OEE DV		
DAS 14					
INSPECTED BY: 11 9-89 FEB 0		S!G	NED OFF BY:	*	

REV. B SCALE NTS CP 09 07 15 AJS 08 03 03 BY DATE 304/316 ROUND BAR NT COPPRIENT STORY OF THE DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO.
M304R B REFORMAT DWG. ADD SPECS (ZN D6-1).
A NEW ISSUE DESCRIPTION DESIGN AJS
DRAWN
CHECKED
MFG. APPR.
APPROVED
DE APPR.
DE APPR.
DOTE
09.07.15

WHERE "D.DDD" = DIAMETER IN INCHES PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR (NOTE: AISI 303 NOT ACCEPTABLE) SPECIFICATION: ASTM A276 PA M304R D.DDD PART NUMBER:

EG. 0.75" ROUND BAR = M304R0.750

8

U

α

<

0

Ω

O

SPECIFICATION CONTROL DRAWING

MATERIAL M606	146R 2.250 FFB 0 1 2018		-0 BA 0-	vc 0388	93/503794
MATERIAL CERT REC D QUANTITY RECEIVED QUANTITY INSPECTED QUANTITY REJECTED	es ()	THOKY	NESS ORDE: RESS RECEIV SIZE ORDE: SIZE RECEIV	VED 2.	250 250 //A
	NCR				
DESCRIPTION	Check Y/N)		COMMENT	S	
CORROSION CORRECT GRAIN DIRECTION CORRECT MATERIAL PER M-DRAWING CORRECT THICKNESS PHOTO REQUIRED CORRECT REF # TO LINK CERT CORRECT MATERIAL IDENTFICATION CORRECT M# ON THE MATERIAL COES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF DOES THIS REQUIRE AN	Y N N Aster	F 68257			
OUT SAMPLE PIECE	RECORD RESU	LTS BELOW			
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DURA	DUR D	
OC 18 INSPECTION INSPECTED BY: DATE: DATE:	testers located in th		ENGINEER DOFF BY: _ DATE:	ING SIGNO	FF (if jeguire s)

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

∪

SPECIFICATION: PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR

M6061T6R|D DDD| DIA. QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OR(ASTM B221

EG. 5/8" ROUND BAR = M6061T6R0.625 WHERE "D.DDD" = DIAMETER IN INCHES PART NUMBER:

ELEASE

DESIGN MFG. APPR. CHECKED B REFORMAT DWG, ADD B2118 B221 SPEC (ZN D8-1),
A NEW ISSUE DESCRIPTION
REV DESCRIPTION APPROVED 09.07.13 M6061T6R 6061-T6 ROUND BAR THE PROPERTY OF THE PROPERTY O DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DS SG CP SHEET 1 OF 1 01 06 08 DATE 09.07 13 REV. B SCALE

co

 \Box

0,

MATERIAL: <u>M60</u>	FEB 0	1 2018		PO BATUR	NC <u>038898/503794</u> ,
VIATERIAL CERT REC D QUANTITY RECEIVED QUANTITY INSPECTED QUANTITY REJECTED:	2011		TH O		1/2
DESCRIPTION	NCR (Chec	K		COMMENT	
	Y/N)	- i -			
SURFACE DAMAGE	Y	+			
CORRECT FINISH	Y				
CORROSION CORRECT GRAIN DIRECTION					med & children and the state of
CORRECT MATERIAL PER M-DRAWING	-	Asta	7 1221		
CORRECT THICKNESS		V / / / /	1000		
PHOTO REQUIRED	Y	V .			The state of the s
CORRECT REF # TO LINK CERT	(Y)	1 Hest.	# SXB 15C	0069	
ORRECT MATERIAL IDENTFICATIO	-01	1			
CORRECT M# ON THE MATERIAL	0	V			
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	Ø			
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	9			
CUT SAMPLE PIEC			AND PREFORI		SS CHECK
		HRC	HRB	DJR A	DUR D WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
-ARDNESS / DUROMETER REAL	ING				·
	test	ers located in	the Quality Office	<u>ce</u>	
QC 18 INSPECTION				ENGINEER	RING SIGNOFF (if required
4.4			210	NED OFF BV.	
.140: LO: LD D:	B 0 1 2	010	5!G	NED OFF BY:	
DATE:	DOIZ	U 10		DATE	

H:\FORMS\Quality Assurance\approved QA\MRIF Material Receipt Inspection Form revD

Ċ

PART NUMBER:

SPECIFICATION:

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160) OR ASTM B211 OK ASTM B211 M6061T6R|D.DDD

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 5/8" ROUND BAR = M6061T6R0.625

 \cap

B		PACE LTD	EROSPACE	COPYRIGHT © 2001 BY DART AEROSPACE LTD	09.07.13	09.0	DATE
VISSUE DESCRIPTION DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. DRAWING NO. DRAWING NO. DRAWING NO. DRAWING NO. SCALE SCALE		NTS		6061-T6 ROUND BAR	-	ž	DE APP
VISSUE DESCRIPTION DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. SHEET 1 OF 1	. 21	SCALE		TITLE	> 2	VED	APPRO
NEW ISSUE DESCRIPTION DS 01 05 08 NEW ISSUE DESCRIPTION DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA REV. B DRAWING NO. REV. B	_	SHEET 1 OF 1		M606116R	5	PPR.	MFG. A
NEW ISSUE DESCRIPTION DS 01 05 08 DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B		DRAWING NO.	P	ED	CHECK
NEW ISSUE DESCRIPTION DS 0105 09 DART AEROSPACE LTD OP 09.07 13 DS 0105 09 DATE		DA	O, CANAL	HAWKESBURY, ONTARK	9	-	DRAW
B REFORMAT DWG, ADD B2118 B221 SPEC (ZN 08-1). CP A NEW ISSUE DESCRIPTION BY	_	₽	CEL	DART AEROSPA	9	_	DESIG
B REFORMAT DWG, ADD 82118 8221 SPEC (ZN D8-1). CP REF PAR 0-2020A NEW ISSUE DS	<u>_</u>	DATE	ВΥ	DESCRIPTION			REV
B REFORMAT DWG, ADD B2118 B221 SPEC (ZN D8-1), CP		01 06 08	SG		SUE	NEW ISS	>
		09.07 13	유	B211& B221 SPEC (ZN D8-1),	NAT DWG, ADD	REF PAF	

MATERIAL: M606 DATE: FE	146 B 0 1	R4-000 2018		POLBATCH	NO. 038	893/5379
MATERIAL CERT REC D: Y-QUANTITY RECEIVED: 6 QUANTITY INSPECTED: 6 QUANTITY REJECTED: D	es		THIC SHE	CKNESS ORDE CKNESS RECEI ET SIZE ORDE ET SIZE RECEI	VED: 4-0	14
DESCRIPTION	NCR (Chec Y/N)	k		COMMEN	TS	
SURFACE DAMAGE	YI	-17				100 000
CORRECT FINISH (V				
CORROSION	YOU	7)				
CORRECT GRAIN DIRECTION	Y	V				
CORRECT MATERIAL PER M-DRAWING	7)	V Asta	B221			
CORRECT THICKNESS		N /				No.
PHOTO REQUIRED	Y					
		1 Heat	#ESXA	17313	and the second	
		N '	, , ,			
CORRECT M# ON THE MATERIAL	0 1	V				
DOES THIS MATERIAL REQUIRE	-					
ENGINEERING SIGN OFF	Y (0				
DOES THIS REQUIRE AN	-					
EXTRUSION REPORT	Y	<u>v) </u>			- COM	
CUT SAMPLE PIECE	OF N	IATERIAL A	ND PREFOR	M A HARDNE	SS CHECK.	
	RE		ULTS BELO			
		HRC	HRB	DURA	DUR D	WEBSTER
YPE OF MATERIAL						
SIZE OF TEST SAMPLE						
ARDNESS / DUROMETER READIN	G					AND DESCRIPTION OF STREET
		are leasted in	the Quality Off	ice		

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
NSPECTED BY		SIGNED OFF BY:
DATE	9-89 FEB 0 1 2018	DATE:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

O

SPECIFICATION: PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116) OR QQ-A-200/8 OR AMS-QQ-A-260/8 (OR AMS 4160) OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6R D.DDD DIA.

0

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 5/8" ROUND BAR = M6061T6R0.625

DESIGN DRAWN MFG. APPR. APPROVED CHECKED A NEW ISSUE B REFORMAT DWG, ADD 82118 8221 SPEC (ZN D8-1). 09.07.13 DART AEROSPACE LTD

HAWKESBURY, ONTARIO, CANADA

DRAWING NO.

M6061T6R

SHEE 6061-T6 ROUND BAR

COPYRIGHT © 2001 BY DART AEROSPACE LTD

COPYRIGHT © 2001 BY DART AEROSPACE LTD BY CP SHEET 1 OF 01.06.08 DATE 09.07.13 REV. B SCALE D

00

0

MATERIAL: MIOI8 DATE:	B 1.000 X 03 FEB U 1 ZU18	.000	PO BATCH	NO. 0388	3/50x1947
MATERIAL CERT RECID: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED:	21/ 21/	THIC SHE	KNESS ORDE KNESS RECE! ET SIZE ORDE ET SIZE RECE!	VED: (-00 RED: //	0
DESCRIPTION	NCR (Check Y/N)		COMMENT	īS	
CORROSION CORRECT GRAIN DIRECTION CORRECT MATERIAL PER M-DRAWING CORRECT THICKNESS PHOTO REQUIRED CORRECT REF # TO LINK CERT CORRECT MATERIAL IDENTFICATION	PREZ Per / POP Z Hast	1010-B # 171436		SS CHECK	
	RECORD RES	ULTS BELOV HRB	V DUR A	DUR D	WEBSTER
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READIN		Ab 0 - 1/2 - 0/5/			
OC 18 INSPECTION INSPECTED BY: DATE: DAS 9-89FEB 0 1	testers located in	7	er MIUIU Asom f	-B Rev. 168 410 RING SIGNO	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received at





DESIGN	DRAWN BY	DART AEROSP HAWKESBURY, ONTAR	
CHECKED	P APPROVED	DRAWING NO.	REV A
DATE O(.	12 06	AIST 1010-1025 BAR	SCALE NTS
A	01,12.06	NEW ISSUE	

PURCHASE MATERIAL:

AIS (1010-1025 OR ASTM A36 /A366 /AS69 /A570 OR CSA G40-21, 38W/44W/SOW/60W/70W

PART NUMBER:

MIDIO-DIT. TIT | X | WWW | WHERE T.TTT = THICKNESS (IN IMHES) MY. WWW " WIDTH (IN INCHES) WIDTH

EG. 0.75" x 250" BAR = M1010-B0.750 x 02.500

